

SNOW GAUGING IN THE ROCKIES

Weather Bureau Is Establishing Over Twenty Stations in Utah to Collect Data.

AID TO DRY FARMERS

GOVERNMENT FINDS MEANS TO COLLECT STATISTICS.

Feeling that every aid should be given to homesteaders and other pioneers and land builders of the country, the United States government has inaugurated a system of snow gauging stations.

The establishment of these stations is now going on under the direction of the officials of the weather bureau service. Stations for measuring the amount of snowfall each year will be established in all mountainous parts of the country, but the most important and valuable stations will be established in the Rocky mountains. The amount of snowfall in the Rocky mountains determines the amount of water in many of the principle streams of the country, and also has a bearing on the flood conditions which cause no end of trouble and thousands of dollars' worth of damage in the middle west states each spring.

The great Rocky mountains act as vast reservoirs, and the snowfall each year has much to do with the success or failure of the large irrigation projects which are developing from time to time. With snow piled high in the mountain peaks, the farmer is assured of plenty of water to irrigate his crops during the spring and summer, but if the ranges show only snowcapped peaks with small drifts in the valleys and gullies, the farmers of the west realize that every drop of water is valuable and must be taken care of. At the present time the farmer in the west and the citizens of the middle west have no accurate method of finding out how much snow is stored away in the mountain peaks, and it is to furnish this information that the establishment of snow gauging stations is in progress.

One Hundred Stations.

The first estimate sent out by the department of agriculture on the establishment of these stations called for at least 100 stations in each of the states in the Rocky mountain region. This estimate was, of course, but little more than preliminary, and the number of stations in each state will no doubt be increased or lessened before the system is complete. It is for the keeping of accurate records of snowfall that these stations are being installed by the government. Records will be kept, and statistics will be made up each year so that the people of the Mississippi river valley will know each year whether the flood dangers are at a maximum or a minimum.

The dry farmer of the west, too, will not have to depend on guesswork as to the amount of water that will be available for irrigation purposes. Great water power projects which are rapidly increasing in number each year in the west, which in some instances are greater than the plants at Niagara, will have accurate records upon which to base their estimates, and will know how much water will be available for their projects and enterprises.

More Than Twenty in Utah.

Dr. R. J. Hyatt, director of the United States weather bureau for this district, has planned more than twenty snow gauging stations in Utah since the work was first commenced last fall. Many more stations are projected, but on account of the late start made in getting this work under way, only a few stations could be established last winter. Many places in the mountains where stations are desired the snow is forty or fifty feet deep, and not until late in May or June will it be possible for workers to erect the stations and install the needed instruments. In Colorado thirty stations have been established during the last winter under the direction of F. H. Brandenberg, director of the district of Colorado.

Observer Church of the local weather office said that the snow bin has been determined as the best means of measuring the actual amount of snowfall. The bin is five feet square and five feet deep, built on stilts ten feet above the ground. By means of a snow scale on the inside of the bin the amount of snowfall can be easily determined.

The work of installing the snow measuring stations and the maintaining and reading of the stations is aided in a great many ways by the employees of the forest service and geological survey. These two services are co-operating with the weather bureau, and the establishment of the stations is being done at a low cost. This is possible, as all the work of the forest service men and geological survey is part of their new duties, and without additional expense. Forest rangers take measurements of snowfalls on the forest reserves and make reports as to the amount of snow. In some instances reports are not available more than once a month, and sometimes not that often.

Public Bulletins.

Not only will the weather bureau give out public bulletins regarding the amount of snowfall from time to time, but will keep the people posted as to the condition of the snow in the mountains.

Holy Cross Hospital

Salt Lake City, Utah.

Training School for Nurses

Conducted by the

SISTERS OF THE HOLY CROSS

Offers to young women, desiring to become trained nurses, a complete and systematic course of instruction, both theoretical and practical, in the principles and practice of nursing. For further information address the

DIRECTRESS OF NURSES

HOLY CROSS HOSPITAL,

Salt Lake City, Utah.

tains and as to the amount that disappears during each of the summer months. The work of measuring the snowfall means much hard and dangerous work on the part of the government employees. In many places high in the Rocky mountains snow falls during the winter up to sixty feet in depth. Many stations can only be reached by snowshoes, and men making these journeys must carry their provisions on sledges. At one point in the mountains in Colorado last winter forest rangers found telephone poles buried forty feet below the surface of the snow.

The establishing of snow measuring stations was brought about by the large number of requests made each year for information regarding snowfall in the Rocky mountains, which the weather bureau was unable to furnish. Observer Church of the local office says that the earlier service, like all other departments of the government, is branching out and extending each year. From Utah and Colorado will be furnished much of the valuable information regarding the snowfall in years to come. Director Hyatt has played an important part in this work and is entitled to much credit for his services. When the system is perfected the people of the country will know just how much water they can depend on during the spring and summer, and crop failures in the west will be prevented.

REXBURG, IDA., NOTES.

(Special Correspondence.)

Rexburg, Ida., April 25.—The students of the Ricks academy held their annual labor day on Friday. The boys planted 200 feet of fence, repaired the building, hitching posts for horses and prepared tennis grounds, while the young ladies cleaned the school rooms, scrubbed and scrubbed. Luncheon was served by the domestic science department to the workers at noon. In the evening the students of the school gave a school paper, gave a ball. The staff will get out a special issue of the Ray compass and week. It will contain 16 pages, having numerous cuts and cartoons and interesting writings.

The city council met in adjourned session on Friday night to consider the canvassing of votes of the recent city election and issue the certificates to the newly-elected officials, but the majority opposed the issue of certificates. Several attorneys were present, and a large number of citizens. After hearing the arguments pro and con in regard to the alleged irregularity of election and registration, the meeting was adjourned until next Thursday to secure further light on the question. It looks as though the matter would go to the courts for settlement.

Farnes & Whitney are driving around on the beach. They are boring on the John Kaur farm and are down about 200 feet. They expect to strike water at 25 or 300 feet. One of the great drawbacks of these fertile lands on the beach is that the water is so brackish for culinary purposes. The crops grow by the rainfall. The water for animals and for use in the house is hauled in barrels a number of miles. If boring proves successful, farmers will likely combine to have wells drilled. The cost to go down about \$100,000, but it is a great deal of lava rock to go through.

The greater part of these dry farm lands taken up, and content are quite frequent. From present indications there will be a greater acreage of wheat and oats put in this year than last. There are a number of teams and gasoline pumps at work breaking up new ground.

MINERS HURLED INTO AIR.

Failed to Seek Shelter in Time and Were Caught by Deadly Blast—Injuries Serious.

(Special to The Herald.)

Bingham, April 27.—Two Italians, Pete Panot and James Barnard, were hurled into midair thirty or forty feet and seriously injured in an explosion on the third level of the surface workings of the Utah Copper mine at 9 o'clock this morning. Two crews consisting of two men each were loading large drill holes not far apart, each using about ten boxes, or 50 pounds of dynamite to the hole. The fuse and, having given warning to the other workmen, retreated to a place of safety. The crew at the hole, however, instead of heeding the warning, they had time to finish before the blast. They waited too long, however, and just as they started to run, the dynamite exploded, and the men were hurled into the air with terrific force. When the smoke and dust of the explosion had cleared away, the men were found stretched out unconscious, badly cut and lacerated. The company physician was sent for at once, and the men were taken to a local hospital, where it was found that Barnard had sustained a fractured skull, the man evidently having been hit by a flying board; also a fractured shoulder bone, besides numerous cuts and bruises about the upper part of the body.

Panot also suffered a fractured collarbone and a badly cut arm and wrist, besides numerous other cuts about the body. The full extent of their injuries could not be learned.

They were taken to St. Mark's hospital in Salt Lake on the evening train. Both men are unmarried and have lived in the camp for the past two years.

John Wines, the 32-year-old son of Mr. and Mrs. F. E. Wines of this place, is critically ill at St. Mark's hospital, Salt Lake, with appendicitis.

Unusual Things in Wall Paper.

Anyone can furnish wall papers that have only housecleaning qualities. To produce artistic effects requires talent and study. All our previous efforts are surpassed in excellence, good taste and merit. We have everything for a distinct purpose, and a vast variety to select from.

GEORGE W. EBERT & CO., 57 Main.

MURRAY.

C. E. Gaultin, principal of the Arlington school at Murray, will sever his connection with the Murray school at the end of the school year, and will take a position as supervisor of the Jordan district schools. A number of the teachers will leave the Murray school at the end of the year and enter new fields. With the close of the year Mrs. Matilda Watts Cahoon will bid farewell to school life and devote her energies to the study of music.

Five boys, ranging in age from 14 to 19 years, were arraigned on charges of fast driving. The boys participated in a little race on State street in Murray Sunday afternoon. Each boy had his own horse and buggy, and was accompanied by a female companion. The race would doubtless have proven a huge success for Mike Mauss, chief of the Murray City constabulary, who arrested the crowd. As a result of their little escapade, the boys have a little deficit in their cash accounts. They each contributed \$5 toward the welfare of Murray, and were severely reprimanded by Judge C. H. Banks.

Active construction work on the Murray line has been started by the Utah Light & Railway company. Heavy steel has been distributed, and the grade is being repaired.

CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

POCATELLO HAPPENINGS.

(Special Correspondence.)

Pocatello, Ida., April 25.—The ladies of St. Joseph's Catholic church gave a delightful program at the Eagle hall. The proceeds will be devoted to the purchase of a new altar for the church. Solos were given by Miss Rose McDougall, Mrs. P. Hamilton, Mrs. W. A. Wright, Mrs. J. C. Wester, Edward Schaeffer, Mrs. Gurey and Miss Gallaigan. Others on the program were Misses Mamie Brew and Callie Gray; piano duet, trombone solo, Virgil Sammis; reading, Miss Daly; piano solo, Mrs. O. B. Stealy.

Mary Allert, 15 years old, daughter of Mr. and Mrs. J. W. Allert, late of North Dakota, died on Monday of pneumonia, after a illness.

George McLeod has returned from a trip to Illinois, having been gone from this city since last November.

George Brown, aged 25, a well-known Pocatello boy, and Miss Bertha Johnston, 18 years old, daughter of J. C. Johnston, were married on Friday evening.

An unknown man who was struck and instantly killed, while walking on the tracks, Mr. Cammon, was identified as the brother of Mrs. J. C. Decker. His home was in Vandergrift Heights, Westmoreland county, Pa., and he was on his way here to his sister's.

George Oram, sr., aged 32, one of the oldest and best-known of the Short Line railroad men, died from a heart attack at about 10:30 o'clock while on his way to take a freight train east. He leaves a wife and two children. Funeral services were conducted Sunday by the Masonic fraternity.

Miss Reba McNeill from Boise is the guest of Mr. and Mrs. R. E. Ewing. Miss Handor and Miss Smith spent Sunday in Butte.

The stag social given by the Y. M. C. A. on the evening of the 23d was a big success. It was attended by more than 200.

Mrs. Michael Condon is here from Salt Lake to visit her old home and remain with her husband who is ill.

Park Smith and wife are back from Seattle where Mr. Smith has been in business for the past six months. He will locate here with his wife and brother in the coal and ice business.

The reception tendered the Presbyterian church by Messrs. Young and Anderson and Mrs. Mark, Miss Hunter and Mrs. Mark.

A theatre party of nine was given by Mr. and Mrs. Fred Malloy at the opening of the new theatre. The participants were Mr. and Mrs. Fred Malloy, Mr. and Mrs. Brothers, Mr. and Mrs. Fred Jacobson, Sam Jenkinson, Miss Alice Hardy of Salt Lake and Mr. Kennedy.

Al Kleiman, who will leave shortly for Spokane, where they will visit for a few weeks, after which they will depart for Idaho.

Earl R. Bassett, son of Conductor Bassett, and Thelma Dodson were married by Probate Judge John H. Both young people are well known here.

Arbor day was celebrated at the Academy of Idaho with suitable program.

DIES FROM OVEREXERTION

Heber McNeil, Miner, Drops Dead on Trail in American Fork Canyon.

American Fork, April 25.—Heber McNeil of this city, died suddenly Friday night of heart failure, near the Pacific mine in American Fork canyon. He had been employed by the Pacific mine for some time, and had got through work for the day, and he and a companion had been out to the mine for the purpose of getting some dynamite. He had not been feeling well, and when they were returning, and when within about seventy-five yards of the Pacific mine, he suddenly dropped dead. His companion, who was with him, found him and before his companion could reach him, he was dead. He had not complained of any sickness at all, and only that day had made the trip to the mine. He was feeling well, and when they were returning, and when within about seventy-five yards of the Pacific mine, he suddenly dropped dead.

He was about 40 years of age, and was a native of the Pacific mine. He was a very strong man, and was very fond of his work. He was a very good worker, and was very much respected by his fellow miners.

His death was a great loss to the community. He was a very good man, and was very much respected by his fellow miners. His death was a great loss to the community.

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COLLETT IS LIVE WIRE.

Another Salt Lake Newspaper Man's Change.

The Manufacturers & Merchants' association has named Dan F. Collett as its secretary. Mr. Collett succeeds Lon Haddock, who leaves the association to engage in business "on his own hook" in the electric supply field.

"Dan" Collett has been a newspaper worker in the Salt Lake fraternity for many years. He has always "made good" during the period of long service—there is no better or more accurate reporter in Salt Lake today than Dan Collett. His service with the Desert Evening News has been marked with distinction; he was



D. F. COLLETT.

The new secretary of the Manufacturers & Merchants' Association.

one of the old wheelhorses who was ready and capable of taking any assignment from reporting a session of the legislature or worse, if possible, to writing a description of a fight between two truck rigs.

He is a live wire, and will be found "on the job" as secretary of one of Salt Lake's important commercial bodies. He is the man to talk and write about the great things that trade excursions are doing for the city, and the new industry has been established. The newspaper "refugees" in Salt Lake will be awfully glad for the new secretary of the association is coming into his own estate.

BAILEY ENDS GREAT SPEECH ON INCOME TAX

Continued from Page 1.

coal was a great injustice to the coal mining industry. He declared his absolute and utter opposition to a countervailing duty. He declared that if the rate on lumber should be reduced—45 per cent of all the lumber manufactured in the United States being produced in the south—there would be nothing left for the American lumberman to do but to cut wages. Lower wages also, he said, would follow the cuts of tariff rates on iron and steel products. He declared that the oil industry that less than 10 per cent of the crude oil of the country was produced by the Standard Oil company, and he declared he did not propose "to let any populist's howling influence me in which I see my duty in regard to taking care of the important oil producers in my state."

Senator Gore's Remarks.

Upon the conclusion of Mr. Scott's remarks, Senator Gore of Oklahoma engaged both Senators Scott and Elkins in a colloquy concerning wages paid to miners. Mr. Gore declared he had been reliably informed that in the rich Pocahontas mines of West Virginia wages were less than in Nova Scotia and England. This statement was denied by Mr. Elkins, who said the pay of miners in the Pocahontas mines was 30 per cent less than in the United States, while in Nova Scotia they were about the same, or 10 per cent less than in the United States.

Mr. Elkins interrupted to say he spoke from his personal knowledge in declaring that the American coal mines made from three to four times as much as was paid for any other kind of labor that he knows of.

Mr. Clark of Wyoming suggested that the coal miners of his state were paid the highest rate of wages paid in any state or country, and said that that condition of prosperity would be destroyed by free coal.

Where Men and Women Suffer.

Both men and women suffer from overwork and overworry, and so both may be cured by using the same remedy. The best remedy for such conditions is Sistine Pills; no matter how badly run down or how nervous and irritable a person may be, Sistine Pills are guaranteed to restore strength and energy. Price \$1 a box, six boxes for \$5, fully guaranteed on the money-back plan. Address or call F. J. Hill Drug Co., 1110 South West Temple streets.

East or West
Always best. If going either way, ask the Salt Lake Route agent.

Diamond Coal, sold only by Citizens' Coal company, both cities 45.

Why Not Discriminate AND BUY THE BEST.

"Peacock" ROCK SPRINGS COAL

Soot, Rock, Ashes, Mean Lost Heat.

Central Coal & Coke Co.

38 South Main
Bell Ex. 35. Ind. 2800

ABDUL HAMID

LOOSES THRONE, BUT SAVES HEAD

Continued from Page 1.

"I am pleased to become the first constitutional sovereign. Doubtless my successor will improve upon me, but you may rely upon my doing my best. I also have suffered oppression and can, therefore, enter into the feelings of my fellow sufferers. Let us endeavor to work together for the welfare of the country."

When the assembly deputation arrived at the Yildiz the festival of the Sheikh-Island was handed to Ali Djavid Bey, first secretary, for communication to Abdul Hamid, who in an inner apartment was guarded by fifteen eunuchs. Djavid Bey tried to gain admittance by knocking and, after a solid mass of eunuchs for fifteen minutes, the door was opened and Abdul Hamid appeared. He accepted the fetva without comment.

The deputation was then ushered into his presence and the spokesman said:

"You no longer reign over us."

Abdul Hamid gave a deep sigh of relief upon being informed that no designs were entertained against his life.

Not Regretted in London.

London, April 27.—The deposition of Abdul Hamid as sultan of Turkey, so far as he personally is concerned, is not regretted in England. For years past, English diplomats have been fighting against the intrigues emanating from the Yildiz palace, and they never knew whether the sultan was their enemy or their friend.

The effect that the deposition is likely to have in Turkey, however, is another thing, and fears were freely expressed today that the new administration probably will have a more difficult task in overcoming the prejudices of the people in the provinces than has been experienced in Constantinople.

For this reason it had been expected that the Young Turks would allow Abdul Hamid to remain on the throne, but short of his power, as a concession to the religious feeling of the country, and out of respect to the different parties.

Prompt Recognition.

Washington, April 27.—Prompt recognition will be given to the new government of Turkey by the administration when official news of the new order of things reaches Washington. Today the officials had to depend entirely on the Associated Press dispatches, as Ambassador Leishman is evidently awaiting the formal announcement of the selection of the new sultan by the Turkish foreign office.

French Opinion.

Paris, April 27.—The French newspapers in general approve the dethronement of the Sultan Abdul Hamid and express the hope that the Young Turks will profit by the lesson of recent events and show the same self-possession in the exercise of the government as they displayed in winning victory.

The opinion is held that a strong regenerated Turkey will be able to present a strong front to those coveting her outlying provinces, which will be the best means of preventing the reopening of the Eastern question.

The report of the arrest of Prince Sabah Eddine, nephew of the sultan, has caused unbounded astonishment here. It is believed that the prince is confined to his room, and is the victim of an attempt on the part of the former sultan to effect a compromise looking to his own safety.

COQUELIN HAD A GOOD MEMORY

(Cleveland Plain Dealer.)

"How many parts do you know well enough to play tonight if need be?" somebody asked Coquelin. He took a sheet of paper and wrote down the names of fifty-three plays of his repertory. His friends laughed.

"You are boasting," said the Viscount de Lovenjoul.

"No," said Coquelin, "every one of these plays in my library," said Coquelin, quietly, "get them all out and put them on the table."

The viscount did so.

"Now," said Coquelin, "let anybody select a cue from any one of these plays at haphazard and give it to me."

They tried him with sixteen plays out of the fifty-three and he did not make one mistake.

AN UNUSUAL ADVERTISEMENT.

(New York Tribune.)

Edwin F. Marvin, conductor of the national division of the Sons of Temperance, was discussing in Bridgeport, Conn., a flagrant piece of bribery.

"Bribery, like a worm in fruit," he said, "spoils all it enters. And what won't it enter?"

"DIME NOVELS AS GRIP CURE."

(New York Times.)

Mayor McClellan has a new cure for the grip, which is recommended to his friends. The discovery is a strong testimonial for the medicinal properties of the Nick Carter dime novels.

The mayor has been suffering from an attack of the grip for several days, but has remained at his desk. He found that the combination of the malady and his mental relaxation, and hit upon the idea of spending a few hours each day with a volume of Nick Carter. He found the

experiment to surpass his fondest expectations, and told his friends about it.

An interesting incident followed. John G. Milburn, who is a close friend of the mayor, was chatting with him the other day, when he remarked: "I had a startling experience with Mr. Ledyard for some time, but he insisted on remaining at work, and what was my surprise to find on his desk several volumes of these cheap dime novels written up by a person named Carter. A most startling habit, your honor."

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